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(54) **ENCODING DEVICE AND METHOD, RECORDED MEDIUM, AND PROGRAM**

(57) If, in encoding and recording an AV stream, time_controlled_flag as the attribute information is set to 1, the relation between the time lapse of an AV stream and the amount of data bytes of the AV stream is linear within a preset error range. If the time_controlled_flag of the AV stream file is set to 1, and a certain time portion of the stream is erased by way of partial stream erasure, an unoccupied area corresponding to the erased time portion and which can be recorded at a bitrate indicated by TS_average_rate may be created on the disc.

SYNTAX	NUMBER OF BYTES	ABBREVIATION
ClipInfo01		
version_number	8*4	bslbf
length	32	uimsbf
Clip_stream_type	8	bslbf
offset_STN	32	uimsbf
TS_recording_rate	24	uimsbf
reserved	8	bslbf
record_time_and_date	4*14	bslbf
reserved	8	bslbf
duration	4*6	bslbf
reserved	7	bslbf
time_controlled_flag	1	bslbf
TS_average_rate	24	uimsbf
if (Clip_stream_type==1) // Bridge-Clip AV stream		
RSPN_arrival_time_discontinuity	32	uimsbf
else		
reserved	32	bslbf
reserved_for_system_use	144	bslbf
reserved	11	bslbf
is_format_identifier_valid	1	bslbf
is_original_network_ID_valid	1	bslbf
is_transport_stream_ID_valid	1	bslbf
is_service_ID_valid	1	bslbf
is_country_code_valid	1	bslbf
format_identifier	32	bslbf
original_network_ID	16	uimsbf
transport_stream_ID	16	uimsbf
service_ID	16	uimsbf
country_code	24	bslbf
stream_format_name	16*8	bslbf
reserved_for_future_use	256	bslbf
}		

FIG.46

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